Amendments to the Claims

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (CURRENTLY AMENDED) A method of storing data, comprising:

receiving a sequence of data words of a first predetermined width and

different respective formats;

splitting the data words of the received sequence to form new data words of a

new sequence, the new data words having a second predetermined width;

packing the ~~consecutive~~ new data words consecutively in a token buffer of a

second width without holes between the ~~packed~~ new data words; and

unpacking the new data words to reproduce a ~~the~~ new sequence of the new data

words.

2. (CURRENTLY AMENDED) The method of claim 1, further comprising:

writing a block of data from the token buffer to a random access memory

device configured to store the words of the second width.

3. (CURRENTLY AMENDED) The method of claim 1, further comprising:

expanding out run length code in the ~~unpacked~~ <u>new</u> words.

4. (CURRENTLY AMENDED) An inverse modeler, comprising:

a data unpacker to unpack data words received from an input terminal to a different length format;

a data expander coupled to the data unpacker; and

a data padder to pad data tokens received from the <u>data</u> expander.

5. (CURRENTLY AMENDED) The inverse modeler of claim 4, wherein the data expander expands out run length codes into runs of zeros followed by a level in ~~the~~ packed data.

6. (CURRENTLY AMENDED) The inverse modeler of claim 5, wherein the data padder pads the last word of ~~the~~ expanded tokens.

7. (ORIGINAL) The inverse modeler of claim 4, wherein the data unpacker deletes data between a flush signal and a block end signal.